

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999  
TIME: 15:58:03

INPUT SET: S33856.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information  
4 (i) APPLICANT: Koizumi, Satoshi  
5 Sasaki, Katsutoshi  
6 Endo, Tetsuo  
7 Tabata, Kazuhiko  
8 Ozaki, Akio  
9 (ii) TITLE OF INVENTION: Processes for Producing Sugar  
10 Nucleotides  
11 and Complex Carbohydrates  
12 (iii) NUMBER OF SEQUENCES: 27  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto  
15 (B) STREET: 30 Rockefeller Plaza  
16 (C) CITY: New York  
17 (D) STATE: New York  
18 (E) COUNTRY: USA  
19 (F) ZIP: 10112-3801  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
22 (B) COMPUTER: pc  
23 (C) OPERATING SYSTEM: MS-DOS  
24 (D) SOFTWARE: PatentIn ver. 2.0  
25 (vi) CURRENT APPLICATION DATA:  
26 (A) APPLICATION NUMBER: 09/068,528  
27 (B) FILING DATE: 13-MAY-1998  
28 (C) CLASSIFICATION: 536  
29 (viii) ATTORNEY/AGENT INFORMATION:  
30 (A) NAME: Perry, Lawrence S.  
31 (B) REGISTRATION NUMBER: 31865  
32 (C) REFERENCE/DOCKET NUMBER: 766.20  
33 (ix) TELECOMMUNICATION INFORMATION:  
34 (A) TELEPHONE: (212) 218-2100  
35 (B) TELEFAX: (212) 218-2200  
36  
37 (2) INFORMATION FOR SEQ ID NO:1:  
38 (i) SEQUENCE CHARACTERISTICS:  
39 (A) LENGTH: 31 base pairs  
40 (B) TYPE: nucleic acid  
41 (C) STRANDEDNESS: single  
42 (D) TOPOLOGY: linear  
43 (ii) MOLECULE TYPE: synthetic DNA  
44 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
45 GGAGAAAGCT TATGGCTGCC ATTAATACGA A  
46

31

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999  
TIME: 15:58:03

INPUT SET: S33856.raw

47 (2) INFORMATION FOR SEQ ID NO:2:  
48 (i) SEQUENCE CHARACTERISTICS:  
49 (A) LENGTH: 30 base pairs  
50 (B) TYPE: nucleic acid  
51 (C) STRANDEDNESS: single  
52 (D) TOPOLOGY: linear  
53 (ii) MOLECULE TYPE: synthetic DNA  
54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
55 AACACGGATC CGGATGTTAC TTCTTAATGC 30  
56  
57 (2) INFORMATION FOR SEQ ID NO:3:  
58 (i) SEQUENCE CHARACTERISTICS:  
59 (A) LENGTH: 28 base pairs  
60 (B) TYPE: nucleic acid  
61 (C) STRANDEDNESS: single  
62 (D) TOPOLOGY: linear  
63 (ii) MOLECULE TYPE: synthetic DNA  
64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
65 ATGGAGGATC CTGCTCTGTA TACCGTCT 28  
66  
67 (2) INFORMATION FOR SEQ ID NO:4:  
68 (i) SEQUENCE CHARACTERISTICS:  
69 (A) LENGTH: 20 base pairs  
70 (B) TYPE: nucleic acid  
71 (C) STRANDEDNESS: single  
72 (D) TOPOLOGY: linear  
73 (ii) MOLECULE TYPE: synthetic DNA  
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
75 TGCTGGTCGA CCTGCGCTTG 20  
76  
77 (2) INFORMATION FOR SEQ ID NO:5:  
78 (i) SEQUENCE CHARACTERISTICS:  
79 (A) LENGTH: 31 base pairs  
80 (B) TYPE: nucleic acid  
81 (C) STRANDEDNESS: single  
82 (D) TOPOLOGY: linear  
83 (ii) MOLECULE TYPE: synthetic DNA  
84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
85 AAGGAAAGCT TATGACGCAA TTTAATCCCG T 31  
86  
87 (2) INFORMATION FOR SEQ ID NO:6:  
88 (i) SEQUENCE CHARACTERISTICS:  
89 (A) LENGTH: 20 base pairs  
90 (B) TYPE: nucleic acid  
91 (C) STRANDEDNESS: single  
92 (D) TOPOLOGY: linear  
93 (ii) MOLECULE TYPE: synthetic DNA  
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
95 GCAAAGTTAA CAGTCGGTAC 20  
96  
97 (2) INFORMATION FOR SEQ ID NO:7:  
98 (i) SEQUENCE CHARACTERISTICS:  
99 (A) LENGTH: 31 base pairs

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999  
TIME: 15:58:03

INPUT SET: S33856.raw

100 (B) TYPE: nucleic acid  
101 (C) STRANDEDNESS: single  
102 (D) TOPOLOGY: linear  
103 (ii) MOLECULE TYPE: synthetic DNA  
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
105 TCAGGAAGCT TATGTTGAAT AATGCTATGA G 31  
106  
107 (2) INFORMATION FOR SEQ ID NO:8:  
108 (i) SEQUENCE CHARACTERISTICS:  
109 (A) LENGTH: 27 base pairs  
110 (B) TYPE: nucleic acid  
111 (C) STRANDEDNESS: single  
112 (D) TOPOLOGY: linear  
113 (ii) MOLECULE TYPE: synthetic DNA  
114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
115 TCTCCGATC CCATGTGACC GGGTTAG 27  
116  
117 (2) INFORMATION FOR SEQ ID NO:9:  
118 (i) SEQUENCE CHARACTERISTICS:  
119 (A) LENGTH: 28 base pairs  
120 (B) TYPE: nucleic acid  
121 (C) STRANDEDNESS: single  
122 (D) TOPOLOGY: linear  
123 (ii) MOLECULE TYPE: synthetic DNA  
124 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
125 TCTAAATCGA TGCAGACAAA GGACAAAG 28  
126  
127 (2) INFORMATION FOR SEQ ID NO:10:  
128 (i) SEQUENCE CHARACTERISTICS:  
129 (A) LENGTH: 27 base pairs  
130 (B) TYPE: nucleic acid  
131 (C) STRANDEDNESS: single  
132 (D) TOPOLOGY: linear  
133 (ii) MOLECULE TYPE: synthetic DNA  
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
135 TTGCAGGATC CTCGTAGGCC TGATAAG 27  
136  
137 (2) INFORMATION FOR SEQ ID NO:11:  
138 (i) SEQUENCE CHARACTERISTICS:  
139 (A) LENGTH: 20 base pairs  
140 (B) TYPE: nucleic acid  
141 (C) STRANDEDNESS: single  
142 (D) TOPOLOGY: linear  
143 (ii) MOLECULE TYPE: synthetic DNA  
144 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
145 TGATATCCGC TCCCTTTCCG 20  
146  
147 (2) INFORMATION FOR SEQ ID NO:12:  
148 (i) SEQUENCE CHARACTERISTICS:  
149 (A) LENGTH: 26 base pairs  
150 (B) TYPE: nucleic acid  
151 (C) STRANDEDNESS: single  
152 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999  
TIME: 15:58:04

INPUT SET: S33856.raw

153 (ii) MOLECULE TYPE: synthetic DNA  
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
155 ACAGCGGATC CGATGTGTTC GCTGAG 26  
156  
157 (2) INFORMATION FOR SEQ ID NO:13:  
158 (i) SEQUENCE CHARACTERISTICS:  
159 (A) LENGTH: 29 base pairs  
160 (B) TYPE: nucleic acid  
161 (C) STRANDEDNESS: single  
162 (D) TOPOLOGY: linear  
163 (ii) MOLECULE TYPE: synthetic DNA  
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
165 ACAGCAAGCT TTTGACTTTA GCGGAGCAG 29  
166  
167 (2) INFORMATION FOR SEQ ID NO:14:  
168 (i) SEQUENCE CHARACTERISTICS:  
169 (A) LENGTH: 29 base pairs  
170 (B) TYPE: nucleic acid  
171 (C) STRANDEDNESS: single  
172 (D) TOPOLOGY: linear  
173 (ii) MOLECULE TYPE: synthetic DNA  
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
175 GAGTTGGATC CCGATATAAA AGGAAGGAT 29  
176  
177 (2) INFORMATION FOR SEQ ID NO:15:  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 25 base pairs  
180 (B) TYPE: nucleic acid  
181 (C) STRANDEDNESS: single  
182 (D) TOPOLOGY: linear  
183 (ii) MOLECULE TYPE: synthetic DNA  
184 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:  
185 TTTTAAAGCT TCATTTATCA AGAGT 25  
186  
187 (2) INFORMATION FOR SEQ ID NO:16:  
188 (i) SEQUENCE CHARACTERISTICS:  
189 (A) LENGTH: 31 base pairs  
190 (B) TYPE: nucleic acid  
191 (C) STRANDEDNESS: single  
192 (D) TOPOLOGY: linear  
193 (ii) MOLECULE TYPE: synthetic DNA  
194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:  
195 TTTTGTGATAT CCCCAATGCT GGGGGTTTTT G 31  
196  
197 (2) INFORMATION FOR SEQ ID NO:17:  
198 (i) SEQUENCE CHARACTERISTICS:  
199 (A) LENGTH: 31 base pairs  
200 (b)TYPE: nucleic acid  
201 (C) STRANDEDNESS: single  
202 (D) TOPOLOGY: linear  
203 (ii) MOLECULE TYPE: synthetic DNA  
204 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:  
205 CGTCAAAGCT TAAATGATAT TCGGGGATAA T 31

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/068,528BDATE: 11/04/1999  
TIME: 15:58:04

INPUT SET: S33856.raw

206  
207 (2) INFORMATION FOR SEQ ID NO:18:  
208 (i) SEQUENCE CHARACTERISTICS:  
209 (A) LENGTH: 25 base pairs  
210 (B) TYPE: nucleic acid  
211 (C) STRANDEDNESS: single  
212 (D) TOPOLOGY: linear  
213 (ii) MOLECULE TYPE: synthetic DNA  
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:  
215 AGGGAGGATC CGACATTACT CGTTC 25  
216  
217 (2) INFORMATION FOR SEQ ID NO:19:  
218 (i) SEQUENCE CHARACTERISTICS:  
219 (A) LENGTH: 33 base pairs  
220 (B) TYPE: nucleic acid  
221 (C) STRANDEDNESS: single  
222 (D) TOPOLOGY: linear  
223 (ii) MOLECULE TYPE: synthetic DNA  
224 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:  
225 CCGCAAGATC TCGTAAAAAG GGTATCGATA AGC 33  
226  
227 (2) INFORMATION FOR SEQ ID NO:20:  
228 (i) SEQUENCE CHARACTERISTICS:  
229 (A) LENGTH: 27 base pairs  
230 (B) TYPE: nucleic acid  
231 (C) STRANDEDNESS: single  
232 (D) TOPOLOGY: linear  
233 (ii) MOLECULE TYPE: synthetic DNA  
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:  
235 TTGGGAAGCT TCCGGCAAAT GTGGTTT 27  
236  
237 (2) INFORMATION FOR SEQ ID NO:21:  
238 (i) SEQUENCE CHARACTERISTICS:  
239 (A) LENGTH: 25 base pairs  
240 (B) TYPE: nucleic acid  
241 (C) STRANDEDNESS: single  
242 (D) TOPOLOGY: linear  
243 (ii) MOLECULE TYPE: synthetic DNA  
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:  
245 ATAAACTCGA GAGAGACAAG CGGAG 25  
246  
247 (2) INFORMATION FOR SEQ ID NO:22:  
248 (i) SEQUENCE CHARACTERISTICS:  
249 (A) LENGTH: 27 base pairs  
250 (B) TYPE: nucleic acid

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/068,528B**

DATE: 11/04/1999  
TIME: 15:58:05

*INPUT SET: S33856.raw*

Line	Error	Original Text
28	Wrong Classification	(C)CLASSIFICATION: 536